Education Bureau
Territory-wide System Assessment 2015
Primary 3
Mathematics

Instructions:
1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 37 questions in this test. Answer all questions.
3. Time allowed is 40 minutes.
4. Write your answers in this Question-Answer Booklet.
5. Do not write in the margins.
6. Use of calculators is not allowed.
7. Do your rough work on the rough work sheet provided.
8. Write your School Code, Class and Class Number in the boxes below.

Instructions for answering questions:
(a) Multiple choice questions – Blacken the circle next to the correct answer with an HB pencil. For example:
   ● A
   ○ B
   ○ C
   ○ D
(b) Questions in which you are asked to “Show your working” – Write your mathematical expressions, answers and statements/conclusions in the spaces provided. There is NO need to show your rough work.
(c) Other types of questions – Answer as required in the spaces provided.

School Code

Class

Class No.
1. In the number 73 296, the digit ‘9’ stands for
   * 9 / 90 / 900 / 9 000 / 90 000 .
   (*Circle the answer)

2. Four 5-digit numbers are arranged from the smallest to the largest.
   36 121 , , , 37 149 (Smallest) (Largest)
   Choose from the list below and fill in the blanks.
   
   | 37 195 | 36 348 | 36 194 |

3. 161 + 39 + 492 =
   ○ A. 592
   ○ B. 682
   ○ C. 692
   ○ D. 1 043

4. 436 – 127 – 127 =
   ○ A. 82
   ○ B. 182
   ○ C. 309
   ○ D. 436

5. 267 × 5 = __________
6. \[42 \times 7 \times 3 = \phantom{000}\]

7. \[968 \div 9 = \phantom{0000}\]
   - A. 17
   - B. 17…5
   - C. 107
   - D. 107…5

8. \[25 - 35 + 20 = \phantom{00000}\]
   - A. 10
   - B. 30
   - C. 40
   - D. 80

9. \[878 - 238 \times 3 = \phantom{000000}\]

10. Tom buys 9 dozen egg tarts. That is a total of ________ egg tarts.

11. A charity organisation prepares 971 bags of rice for the elderly. Volunteer Team A gives out 402 bags of rice and Team B gives out 563 bags. The number of bags of rice left is ________.
12. Each ticket for Fun Park costs 225 dollars. Every purchase of 4 tickets can save 45 dollars. Linda buys 4 tickets. How much does she have to pay? (Show your working)

13. A shop sells 870 rice cookers in 6 months. The number of rice cookers sold in each month is _______ on average.

14. (a) The total cost of the two stamps above is _______ dollars and _______ cents.

(b) Jenny pays 50 dollars for these two stamps. The change is _______ dollars and _______ cents.
15. Free Cookware with Stamps

Sarah has 592 stamps. She wants to get a \(\text{\frying pan}\) and \(\text{\pan}\) with her stamps. How many more stamps does she need? (Show your working)
16. In the following figure, what fraction of the whole is shaded?

Answer: \[
\frac{\boxed{\phantom{0}}}{} \text{ of the whole is shaded.}
\]

17. Use a pencil to shade \( \frac{1}{2} \) of the whole diagram.
18. (a) Which of the following is correct?

- A. \( \frac{2}{2} \) is smaller than \( \frac{1}{1} \).
- B. \( \frac{2}{2} \) is larger than \( \frac{1}{1} \).
- C. \( \frac{2}{2} \) is equal to \( \frac{1}{1} \).
- D. Cannot compare \( \frac{2}{2} \) and \( \frac{1}{1} \).

(b) Fill in the box with a suitable number.

\[
\boxed{\frac{3}{\phantom{1}}} \quad \text{is smaller than} \quad \frac{3}{7}.
\]
19. John has a box of lobsters. He gives \(\frac{3}{18}\) of all the lobsters to Mary, \(\frac{5}{9}\) of all the lobsters to Peter and \(\frac{5}{18}\) of all the lobsters to Paul.

* Mary / Peter / Paul gets the most lobsters. (*Circle the answer)

20. In the map on the squared paper,

* Science Museum / Planetarium / Hotel is the farthest from Library.

(* Circle the answer)
21. Eric pays $350.00 for the tennis racket. Circle the change returned by the shopkeeper.
22. Below shows the athletic record of James.

**Athletic record**

Name: James Cheung  
Sex: Male  
Height: 123 cm  
Weight: 33 kg  
Long Jump: 1 * cm / m / km  
(*Circle the answer)  
5 * cm / m / km  
Marathon: 2 hours  
(*Circle the answer)

23.

Time of the firemen setting off to the scene

(a) The clock above shows the time of the firemen setting off to the scene of a traffic accident at  
_________ minutes to __________ in the afternoon.

(b) The firemen arrive at the scene at **1:55:45 PM**.  
They take _________ minutes and _________ seconds to get there.
24. The weight of the chicken may be

- A. 5 kg.
- B. 4 kg.
- C. 3 kg.
- D. 2 kg.

25. Arrange the amount of water in the three containers below, from the largest to the smallest. Write the letters for the answer.

Answer: _______ , _______ , _______  
       (Largest)  (Smallest)
26.

(a) weighs _______________.
(Give your answer with a unit)

(b) is __________ g * lighter / heavier
than __________. (* Circle the answer)
27. Answer the following questions according to the June calendar below.

<table>
<thead>
<tr>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
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<td>29</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

School Examination

(a) The school examination starts on the
    __________ of __________ .
    (month)

(b) Teachers return the examination paper on the third Thursday of June.
    The date is the __________ of __________ .
    (month)

(c) Parents’ Day is held on the last day of June.
    That day is ______________ .
    (day of the week)
Diagram 1: Fill up the container $G$ with water and then pour all the water into the container $H$. The container $H$ is just filled up with the water.

Diagram 2: Fill up the container $G$ with water and then pour all the water into the container $K$. The container $K$ is still not full.

Which of the following is correct?

- A. The capacity of $H$ is smaller than the capacity of $K$.
- B. The capacity of $H$ is greater than the capacity of $K$.
- C. The capacities of $H$ and $K$ are the same.
- D. The capacities of $H$ and $K$ cannot be compared.
29. Follow the instruction. Write down all the letters for the answers.

List:
(a) Prism(s): ____________________
(b) Cone(s): ____________________

30. The 3-D shape above is a
   ○ A. pyramid.
   ○ B. prism.
   ○ C. triangle.
   ○ D. rectangle.
31. Study the 2-D shapes below. Write down all the letters for the answers.

List:
(a) Triangle(s): ______________________
(b) Circle(s): ______________________

32. In the diagram below, draw a line along the dotted line which is perpendicular to line \( L \).
33. Study the 2-D shapes below. Write down all the letters for the answers.

List:
(a) Hexagon(s): ________________
(b) Quadrilateral(s): ________________

34. Judy cuts the triangle above along the dotted line. She gets

○ A. an isosceles triangle and an equilateral triangle.
○ B. an equilateral triangle and a right-angled triangle.
○ C. two isosceles triangles.
○ D. two right-angled triangles.
(a) Garden is to the ________ of Green Belt. (direction)

(b) Starting from Garden, Paul goes ________ (direction)
    to Climbing Zone. He then turns ________ (direction)
    to reach Rope Net.
36. The pupils of P.3C voted for their favourite tourist attraction with one person, one vote. The results are as follows:

<table>
<thead>
<tr>
<th>Tourist Attraction</th>
<th>The Peak</th>
<th>The Big Buddha</th>
<th>Stanley Market</th>
<th>Avenue of Stars</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of pupils</td>
<td>2</td>
<td>7</td>
<td>5</td>
<td>4</td>
</tr>
</tbody>
</table>

According to the results, complete the following pictogram and give it a title.

(Title)

Each ⃝ stands for 1 pupil
Ms Lee did a survey of the number of P.3 pupils wearing glasses.

**Number of P.3 Pupils Wearing Glasses**

<table>
<thead>
<tr>
<th></th>
<th>3A</th>
<th>3B</th>
<th>3C</th>
<th>3D</th>
<th>3E</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><img src="image1" alt="Glasses" /></td>
<td><img src="image2" alt="Glasses" /></td>
<td><img src="image3" alt="Glasses" /></td>
<td><img src="image4" alt="Glasses" /></td>
<td><img src="image5" alt="Glasses" /></td>
</tr>
</tbody>
</table>

Each ![Glasses](image6) stands for 1 pupil

(a) The number of pupils wearing glasses was the least in Class _________.
There were ________ pupils.

(b) The number of pupils wearing glasses in Class _________ was 2 more than that in Class _________.

(c) The total number of P.3 pupils wearing glasses was _________.

--- END OF PAPER ---